

Patent Number: US4653647
Publication date: 1987-03-31
Inventor(s): HASHIMOTO SUSUMU (JP)
Applicant(s): TOKYO SHIBAURA ELECTRIC CO (JP)
Requested Patent: JP59049682
Application Number: US19860882433 19860707
Priority Number(s): JP19820161364 19820916
IPC Classification:
EC Classification: G06F7/06, G07F7/10F4, G07D7/00S
Equivalents: DE3333365, GB2127792

Abstract

A sorting and stacking apparatus has a currency note feeding section for feeding currency notes one at a time; and a currency note inspecting section for inspecting the denomination of a currency note, a normal note, a damaged note, an obverse-presented note and a reverse-presented note. The currency notes of a predetermined denomination among the currency notes fed by the currency note feeding section are fed to a first stacking section having first and second pockets while currency notes of other denominations are fed to the second stacking section. When the first pocket of the first stacking section is filled with the currency notes, the transport path of the currency note is automatically switched toward the second pocket. Subsequent currency notes are thus stacked in the second pocket of the first stacking section.

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4/19/1 (Item 1 from file: 347)

01338082 SECTIONAL INTEGRATION APPARATUS

Pub. No.: 59-049682 A]

Published: March 22, 1984 (19840322)

Inventor: HASHIMOTO SUSUMU

Applicant: TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)

Application No.: 57-161364 [JP 82161364]

Filed: September 16, 1982 (19820916)

International Class: [3] G07D-003/00; B07C-003/02

JAPIO Class: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 26.9 (TRANSPORTATION -- Other)

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4/19/2 (Item 2 from file: 345)

4577597

Basic Patent (No,Kind,Date): GB 8324825 A0 831019

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 3333365 A1 840322

SORTIER/ABLAGEVORRICHTUNG (German)

Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (JP)

Author (Inventor): HASHIMOTO SUSUMU (JP)

Priority (No,Kind,Date): JP 82161364 A 820916

Applc (No,Kind,Date): DE 3333365 A 830915

IPC: * B07C-005/34; B07C-003/06; B65G-047/42; G07D-007/00; G06M-007/06

Derwent WPI Acc No: * G 84-076800

Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 3333365 P 820916 DE AA PRIORITY (PATENT APPLICATION)

(PRIORITYAET (PATENTANMELDUNG))

JP 82161364 A 820916

DE 3333365 P 830915 DE AE DOMESTIC APPLICATION (PATENT APPLICATION) (INLANDSANMELDUNG (PATENTANMELDUNG))

DE 3333365 A 830915

DE 3333365 P 840322 DE A1 LAYING OPEN FOR PUBLIC INSPECTION (OFFENLEGUNG)

DE 3333365 P 840322 DE OP8 REQUEST FOR EXAMINATION AS TO PAR. 44 PATENT LAW (PRUEFUNGSANTRAG GEM.
PAR. 44 PATG. IST GESTELLT)

DE 3333365 P 850314 DE 8128 NEW PERSON/NAME/ADDRESS OF THE AGENT (AENDERUNG IN PERSON, NAMEN ODER WOHNORT DES VERTRETERES)
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DE 3333365 P 900315 DE 8131 REJECTION (ZURUECKWEISUNG)

GREAT BRITAIN (GB)

Patent (No,Kind,Date): GB 8324825 A0 831019
SORTING AND STACKING APPARATUS (English)
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
Priority (No,Kind,Date): JP 82161364 A 820916
Applc (No,Kind,Date): GB 8324825 A 830916
IPC: * B07C-005/34
Language of Document: English
Patent (No,Kind,Date): GB 2127792 A1 840418
SORTING AND STACKING APPARATUS (English)
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
Author (Inventor): HASHIMOTO SUSUMU
Priority (No,Kind,Date): JP 82161364 A 820916
Applc (No,Kind,Date): GB 8324825 A 830916
National Class: * B8R564; B8R583; B8R591; B8R611; B8R671; B8RTC;
U1S2272; U1SB8R
IPC: * B65H-043/00
Language of Document: English
Patent (No,Kind,Date): GB 2127792 B2 861015
SORTING AND STACKING APPARATUS (English)
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
Author (Inventor): HASHIMOTO SUSUMU
Priority (No,Kind,Date): JP 82161364 A 820916
Applc (No,Kind,Date): GB 8324825 A 830916
National Class: * B8R564; B8R583; B8R591; B8R611; B8R671; B8RTC;
U1S2272; U1SB8R
IPC: * B65H-043/00
Language of Document: English

GREAT BRITAIN (GB)

Legal Status (No,Type,Date,Code,Text):
GB 2127792 P 820916 GB AA PRIORITY (PATENT)
JP 82161364 A 820916
GB 2127792 P 830916 GB AE APPLICATION DATA (APPL. DATA)
GB 8324825 A 830916
GB 2127792 P 840418 GB A1 APPLICATION PUBLISHED
GB 2127792 P 861015 GB PG PATENT GRANTED
GB 2127792 P 980506 GB PCNP PATENT CEASED THROUGH
NON-PAYMENT OF RENEWAL FEE
970916

JAPAN (JP)

Patent (No,Kind,Date): JP 59049682 A2 840322
SECTIONAL INTEGRATION APPARATUS (English)
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
Author (Inventor): HASHIMOTO SUSUMU
Priority (No,Kind,Date): JP 82161364 A 820916
Applc (No,Kind,Date): JP 82161364 A 820916

IPC: * G07D-003/00; B07C-003/02
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4653647 A 870331
SORTING AND STACKING APPARATUS (English)
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (JP)
Author (Inventor): HASHIMOTO SUSUMU (JP)
Priority (No,Kind,Date): US 532516 A1 830915; JP 82161364 A
820916
Applc (No,Kind,Date): US 882433 A 860707
Addnl Info: Abandoned
National Class: * 209534000; 209551000; 271288000; 377008000
IPC: * B07C-005/342
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 4653647 P 820916 US AA PRIORITY (PATENT)
JP 82161364 A 820916
US 4653647 P 830915 US AA PRIORITY
US 532516 A1 830915
US 4653647 P 860707 US AE APPL. DATA (PATENT)
US 882433 A 860707
US 4653647 P 870331 US A PATENT
US 4653647 P 990608 US FP EXPIRED DUE TO FAILURE TO PAY
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19990331

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